

DETERMINATION SYSTEM, PROGRAM, DETERMINATION METHOD, AND  
LEARNING SYSTEM OF SEAL HANDLING

ABSTRACT

5       A seal handling determination system determines a  
handling result by a surface-to-surface distance between  
flanges which are tightened by bolts and nuts, with a gasket  
being interposed between the flanges, and the seal handling  
determination system includes: a seal handling part (4) which  
10 includes the flanges being tightened by the bolts (20) and the  
nuts (22), with the gasket (18) being interposed between the  
flanges (flange joints 16-1 and 16-2); a surface-to-surface  
distance measurement part (6) which measures a surface-to-  
surface distance between the flanges; a processing part (8)  
15 which takes in measured values (d) of the surface-to-surface  
distance from the surface-to-surface distance measurement part  
in a plurality of stages from start of tightening of the bolts  
up to completion of the tightening, calculates a difference  
between a maximum value and a minimum value of the measured  
20 values, and determines a skill level by comparing the  
difference and a determination reference; and an information  
presentation part (12) which presents any or all of  
calculation information and a calculation result, the  
calculation information and the calculation result being  
25 processed by the processing part. Thus, determination of a  
state of seal handling can be facilitated and reliability and  
handling skills of the seal handling can be enhanced.

[FIG. 1]